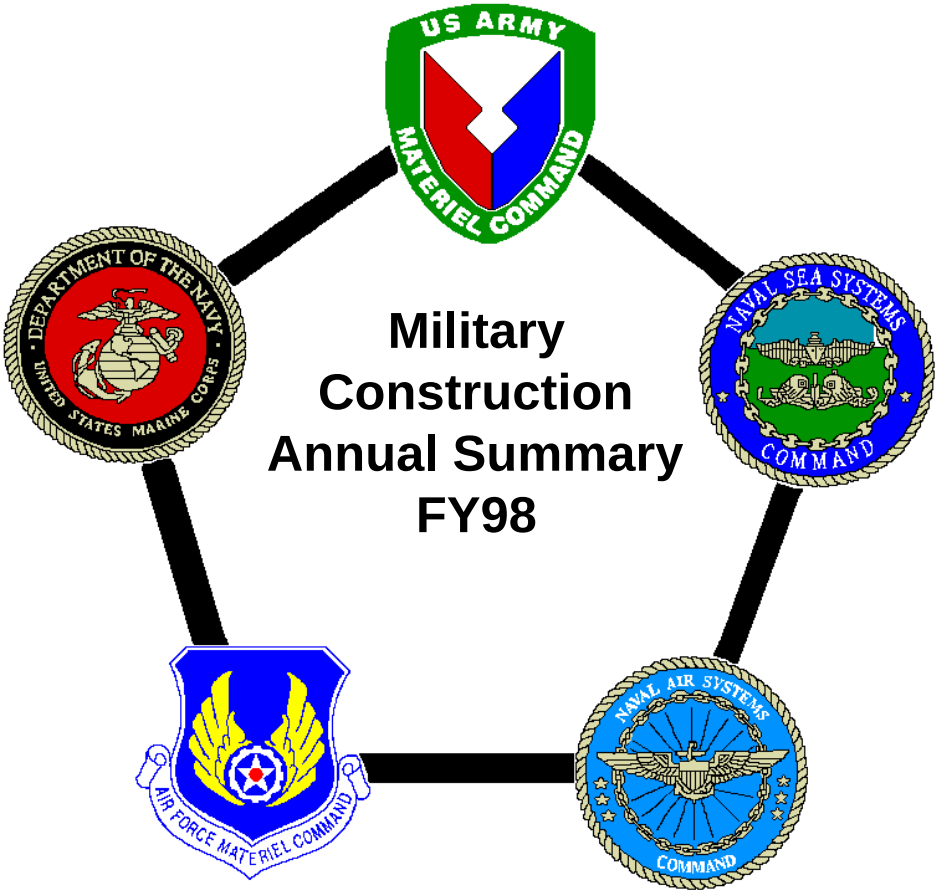
Joint Service Depot Maintenance



Military Construction Annual Summary FY98

Prepared by: Joint Depot Maintenance Activities Group
Business Planning Division

FOREWORD

This Joint Service Depot Maintenance Military Construction (MILCON) Annual Summary focuses on the projects validated through the Joint Service Depot Maintenance MILCON Review process during FY98. In addition, a cumulative analysis of all the projects validated by the panel to date is provided.

The purpose of the MILCON Review is to ensure review and validation of Service-proposed depot maintenance MILCON projects within the Depot Maintenance Interservicing (DMI) community.

The DOD Financial Management Regulation (DOD 7000.14-R) requires that DD Forms 1391 for the depot maintenance MILCON projects include a statement that interservicing alternatives to the projects have been fully considered.

The reviews are for depot maintenance-related MILCON projects. Shipyard waterfront projects are excluded because they have little interservicing potential.

Activities desiring copies should submit a request to JDMAG/MAW, Bldg 280, Door 24, 4170 Hebble Creek Road, Wright-Patterson AFB, Ohio 45433-5653.

James E. Reiman, Lt Col, USAF
Director, Joint Depot Maintenance
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EXECUTIVE SUMMARY

This Summary provides an overview of the MILCON projects validated through the Joint Service Depot Maintenance Military Construction (MILCON) Review process since its inception, with particular emphasis on those projects validated during FY98. The Summary includes the basic purpose of each MILCON project and the product lines to be worked in the proposed facilities.

Six proposed MILCON projects were presented by the Services for review in FY98; all six proposed projects were validated. Joint reviews are conducted by JDMAG and representatives of each of the Services. When a proposed project is validated in a joint review, a primary purpose is identified. The purpose categories are **modernization, add capability, increase capacity,** and a **combination** of two or more of these purposes. Three of the proposed projects were justified based on the need for depot modernization, one on an increase in capacity, and two on a combination of two or more purposes. When broken down by Work Breakdown Structure (WBS), two projects related to aircraft, one related to combat, one automotive, and one related to multiple WBSs. The total cost of these projects is estimated at $93.4M.

PART I

BACKGROUND

Part I of this Summary provides a listing by Service and depot of the projects jointly validated during FY98. This is followed by project descriptions, which provide an overview of the primary purposes and the product lines to be worked in the proposed facilities. The results of the MILCON representatives analysis of the DD Forms 1391 (Military Construction Project Data) and other narrative data generated by the Services are provided in Part II.

Prior to a MILCON review, the Services provide JDMAG documentation on projects to be presented at the review. This documentation includes scope, purpose, projected workload, and projected capacity information for the proposed projects. JDMAG consolidates the documentation and redistributes it to the MILCON representatives. Service personnel review this data to determine if there are any feasible interservicing alternatives to the proposed projects.

During the review, the sponsoring Service presents the proposed project and discusses it in light of its review and validation criteria, which include the following elements:

- Does the project duplicate other facilities (is duplication required)?
  - Intraservice?
  - Interservice?
- Is the project justified by workload at that depot?
  - Current workload?
  - Additional forecasted workload?
  - New workload requirement?
  - Previous Depot Maintenance Interservice (DMI) new start studies?
- Could alternate depot(s) perform the mission as well with no MILCON/additional equipment?

Projects which the Service representatives determine are needed in light of these criteria are considered to be validated. Once a project is validated, the representatives identify the primary purpose of the project and the primary workload category. This information enables the projects to be included in the project analysis contained in Part II.

Deferred projects, which do not meet the review and validation criteria, are listed with identified areas of concern and are returned to the sponsoring Service for further research, coordination, and resolution. The projects can then be resubmitted for validation or withdrawn by the sponsoring Service. In accordance with DOD 7000.14-R, these projects should not be included in the Services' next annual Military Construction Program submission to the Secretary of Defense pending clarification of the Depot Maintenance Interservicing concerns.

After each MILCON review, JDMAG provides the coordinated minutes to the JPCG-DM Chairman, with courtesy copies to the other JPCG-DM members. This package also includes a proposed letter for the Chairman's signature forwarding the validated projects to the Assistant Deputy Under Secretary of Defense (Logistics) Maintenance Policy, Programs, and Resources (ADUSD(L)MMP&R) for transmittal to the Defense Depot Maintenance Council (DDMC).

FY98 VALIDATED PROJECTS

Army

Depot: Tobyhanna Army Depot (TYAD), Pennsylvania
Project Title: Depot Heating System Retrofit
Project Number: 47806

Depot: Anniston Army Depot (ANAD), Alabama
Project Title: Component Rebuild Shop
Project Number: 50499

Depot: Corpus Christi Army Depot (CCAD), Texas
Project Title: Power Train Cleaning Facility
Project Number: 30872

Navy

There were no Navy projects presented for review during FY98.

Air Force

Depot: Ogden Air Logistics Center (OO-ALC), Utah
Project Title: C-130 Corrosion Control Facility
Project Number: KRSM993014

Marine Corps

Depot: Marine Corps Logistics Base, Albany, Georgia
Project Title: Engineering Equipment Shop
Project Number: P-919

Depot: Marine Corps Logistics Base, Barstow, California
Project Title: Paint and Undercoat Facility
Project Number: P-919B

PROJECT DESCRIPTIONS

The following descriptions are summations of the Service-provided DD Forms 1391 (Military Construction Project Data) and other narrative data on the validated projects. They include short descriptions of the proposed facilities and the specific problems to be solved by the facilities.

Army

Depot: Tobyhanna Army Depot (TYAD), Pennsylvania
Project Title: Depot Heating System Retrofit
Project Number: 47806
Cost: $29.00M
Purpose: Modernization

This project consists of individual boilers, each serving a cluster of production buildings, and air rotation furnaces serving warehouses.

The existing central heating system is 40 years old, unreliable, inefficient, and technologically obsolete. The underground steam distribution system has many leaks, and ruptures periodically necessitating shutdown of the system for repairs. Over 50 percent of the steam produced is wasted due to leaks and system inefficiencies. Any plant modifications would require a major upgrade to meet more stringent standards. Numerous heating system failures recently have resulted in the loss of heat to portions or all of the depot, which shuts down production and adversely, impacts the health and morale of installation personnel.

If this project is not provided, there will be continued problems and failures of the installation heating system. Loss of heat to the installation will risk loss of production, which costs the government $100,000 per hour. In addition, the heating system will remain a major source of pollution and environmental liability.

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Depot: Anniston Army Depot (ANAD), Alabama
Project Title: Component Rebuild Shop
Project Number: 50499
Cost: $17.50M
Purpose: Modernization

This project is required to consolidate the many locations now used to perform engine and transmission rebuild and testing. This project will make the rebuilding process many times more efficient and less likely to damage critical parts as they are moved from one location to another. Currently ANAD maintains many different vehicles in the Army's inventory of weapons. With the implementation of BRAC 95 and many partnership initiatives, laydown space around the primary vehicle maintenance buildings is at a premium. This project will consolidate many scattered operations into one facility. It will provide much more laydown space around the main vehicle assembly building by reducing the subassemblies, which have to be transported from building to building.

If this project is not provided, ANAD must continue to work inefficiently in regard to maintaining combat vehicles. As missions become more varied, the need for the most efficient operations becomes imperative.

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Depot: Corpus Christi Army Depot (CCAD), Texas
Project Title: Power Train Cleaning Facility
Project Number: 30872
Cost: $17.50M
Purpose: Combination (Modernization and Add Capability)

This project will provide a power train cleaning facility that is required to modernize the engine cleaning shop and provide the capability to clean new, specialized metals on the Blackhawk and Apache helicopters. This will provide CCAD with state-of-the-art power train cleaning processes to meet the dynamic aviation industry requirements. It will also ensure compliance with the new and ever changing environmental regulations.

The existing engine cleaning shop has an inadequate ventilation system that needs to be updated with more efficient equipment to include a scrubber system. The current cleaning shop does not have adequate floor space to handle the parts awaiting processing and those that are in process. One such process is the removal of worn metal-sprayed areas in the T700 engine compressor housing. The existing shop does not have pretreatment equipment for chemical waste that feeds into the industrial waste line. Currently, the shop does not have a source of deionized water, which is required to process special parts such as those made of titanium. Also the existing shop has no chemical recovery system to extend chemical bath life which would help to reduce operating costs and chemical waste.

If not provided, this project will prevent CCAD from providing production space for implementing proper cleaning processes for titanium alloy parts. Failure to upgrade the ventilation system means CCAD faces possible violation of the Clean Air Act of 1990.

Navy

There were no Navy projects submitted for review during FY98.

Air Force

Depot:	Ogden Air Logistics Center (OO-ALC), Utah
Project Title:	C-130 Corrosion Control Facility
Project Number:	KRSM993014
Cost:	$13.20M
Purpose:	Increase Capacity

This project will provide an adequately sized, environmentally safe facility required to perform depot level corrosion control on C-130 aircraft. This facility will support the periodic depot maintenance (PDM) as well as the annual recurring drop-in C-130 aircraft. Workload at Hill AFB is increasing due to the transition of work from other bases.

Currently the C-130 aircraft corrosion control capacity at Hill AFB is inadequate to accommodate the current workload and cannot accommodate the projected workload. Hill AFB has been forced to contract out C-130 aircraft corrosion control work even though the existing facility is used 3 shifts a day, 7 days a week. Projected workload will require a total of 35 aircraft to be contracted out at a cost of $1,225,000 per year. No residual capacity is available for scheduled maintenance of the facility or the associated corrosion control equipment.

If this facility is not provided, there will continue to be a shortfall in C-130 corrosion control capacity at Hill AFB. Corrosion control work will continue to be contracted out, cost for depot level work will increase, and additional time delays will occur in returning mission ready aircraft to flying status.

Marine Corps

Depot: Marine Corps Logistics Base Albany, Georgia
Project Title: Engineering Equipment Shop
Project Number: P-919
Cost: $5.12M
Purpose: Modernization

This project will provide an efficient, effective and consolidated facility for the rebuild/repair of one half of the Marine Corps combat engineering equipment and 100 percent of the Marine Corps combat engineering equipment positioned on Maritime Preposition Shipping (MPS). It will also consolidate separate locations and provide an adequate facility with overhead cranes for rebuild/repair of equipment for the Marine Corps combat units.

Combat engineering equipment is currently being rebuilt/repaired under sun shields (a roof with no walls) at three separate locations. Personnel and equipment are exposed to all elements of the weather with temperatures ranging from 100 degrees fahrenheit in the summer to the 20's and 30's in the winter. Lifting of equipment and components is accomplished with forklifts and mobile crane units that hinder operations and increase the exposure of personnel to safety hazards. During rainy weather, slipping hazards and the danger of electrocution increases while using electric hand tools.

If not provided, personnel and equipment will continue to endure extremes in weather conditions and production will continue to be negatively affected by daily weather conditions. Exposure of personnel to unnecessary and avoidable safety hazards will continue. A lower production capability will continue due to the work being scattered among three separate locations.

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Depot: Marine Corps Logistics Base, Barstow, California
Project Title: Paint and Undercoat Facility
Project Number: P-919B
Cost: $11.08M
Purpose: Combination (Modernization and Increase Capacity)

The project will construct a facility to provide a combat vehicle paint and undercoating shop to support the functions of the Maintenance Center Barstow. The facility will house all industrial operations involving the use of paints and undercoating compounds. This project is required to support the Maintenance Centers Master Work Schedule (MWS).

Currently the Maintenance Center does not have a facility that meets the requirements of the current work schedule. The facilities for preparation, priming, undercoating, and painting are inadequate

based on size, location, and configuration. The maintenance center currently complies with air pollution control regulations under ten separate air district permits. Seven of these permits are “grand fathered” approved permits and allow uncontrolled emissions.

If not provided, the maintenance center will not have the capacity to efficiently process the required end items to meet the mission of the Fleet Marine Force. Increased enforcement of air quality regulations by the air pollution control board is certain to reduce permitted coating areas. In addition, increased workload will cause the limits of the existing permits to be exceeded, severely affecting the capability of the maintenance center to support the Fleet Marine Force with combat ready vehicles and equipment.

FY98 JOINT SERVICE DEPOT MAINTENANCE
MILITARY CONSTRUCTION (MILCON) VALIDATED PROJECTS

The following is a list of validated projects with dollar projections by Service, and also presents the joint Service totals.

SERVICE	PROJECTS	TOTAL ($M)
ARMY	3	$64.0
NAVY	0	$00.0
AIR FORCE	1	$13.2
MARINE CORPS	2	$16.2
TOTALS	6	$93.4

FY98 JOINT SERVICE DEPOT MAINTENANCE
MILITARY CONSTRUCTION (MILCON) PROJECT
PURPOSE SUMMARY

The following portrays the purpose of the FY98 validated projects:

DEPOT/ PROJECT NUMBER/ PROJECT TITLE	MODERNIZE	ADD CAPABILITY	INCREASE CAPACITY
TYAD 47806 Depot Heating System Retrofit	X		
ANAD 50499 Conponent Rebuild Shop	X		
CCAD 30872 Power Train Cleaning Facility	X	X	
OO-ALC KRSM993014 C-130 Corrosion Control Facility			X
MCLB Albany P-919 Engineering Equipment Shop	X		
MCLB Barstow P-919B Paint and Undercoat Facility	X		X

PART II
CUMULATIVE PROJECT ANALYSIS

The major purpose of the 136 projects (that are currently programmed or have been completed) validated since the inception of joint reviews in 1982 continues to be the modernization of existing facilities.

To **modernize** in this context means to improve working conditions or productivity for the performance of existing workloads. This includes installation of state-of-the-art equipment, reducing noise levels, revamping facilities to comply with anti-pollution laws and regulations, and consolidating similar or related facilities to one location.

To **add capability** is to acquire the facilities necessary for performance of new workloads. Such are intended to meet new demands of newly acquired weapon systems, introduction of new materials in weapon systems (e.g., composite structures), and workloads made possible by the advent of new repair processes and technologies.

To **increase capacity** is to acquire facilities necessary for increasing the volume of throughput for existing workloads. These kinds of projects are necessitated by current backlogs or anticipated increases in existing workloads.

To date, 15 projects have been deferred. Thirteen of these were subsequently resubmitted with further justification and validated by the panel. Two were withdrawn by the sponsoring Services.

Figures 1 and 2 portray the 136 MILCON projects by purpose. Costs represented by these projects validated in the joint reviews since 1982 are approximately $1B. The purpose is broken out by percentage of projects, and percentage of cost considered as modernization, added capability, increased capacity or a combination of two or more purposes.

Figure 1
MILCON Projects by Primary Purpose (Cumulative)

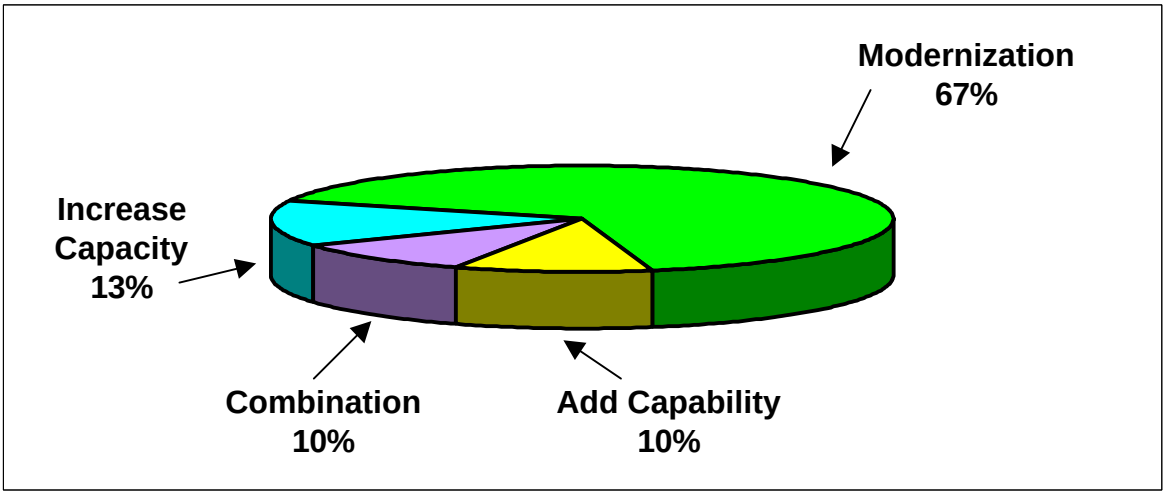
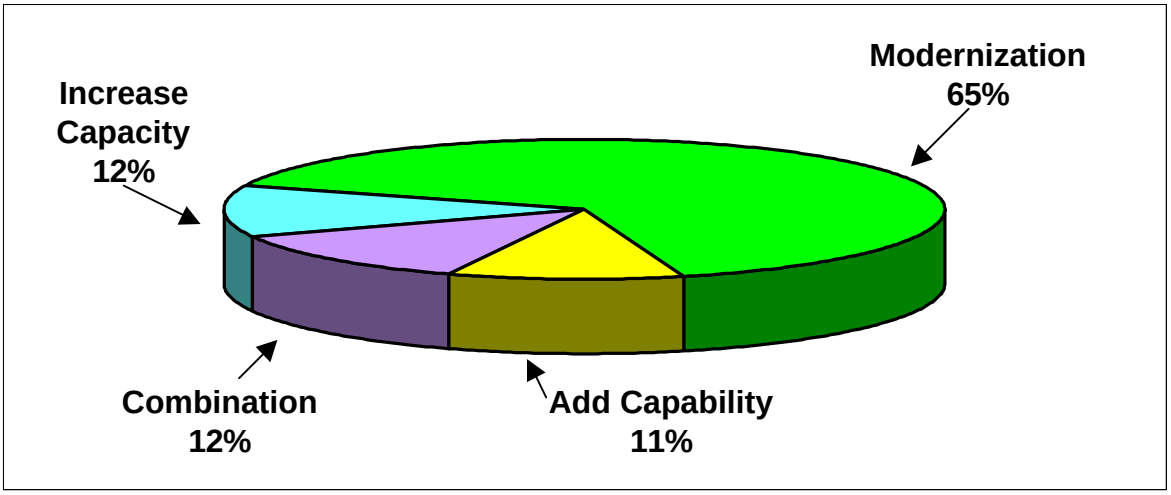


Figure 2
MILCON Project Cost by Primary Purpose (Cumulative)



Figures 3 and 4 depict the work breakdown structure (WBS) categories affected by the 136 MILCON projects.

Figure 3
MILCON Projects by WBS (Cumulative)

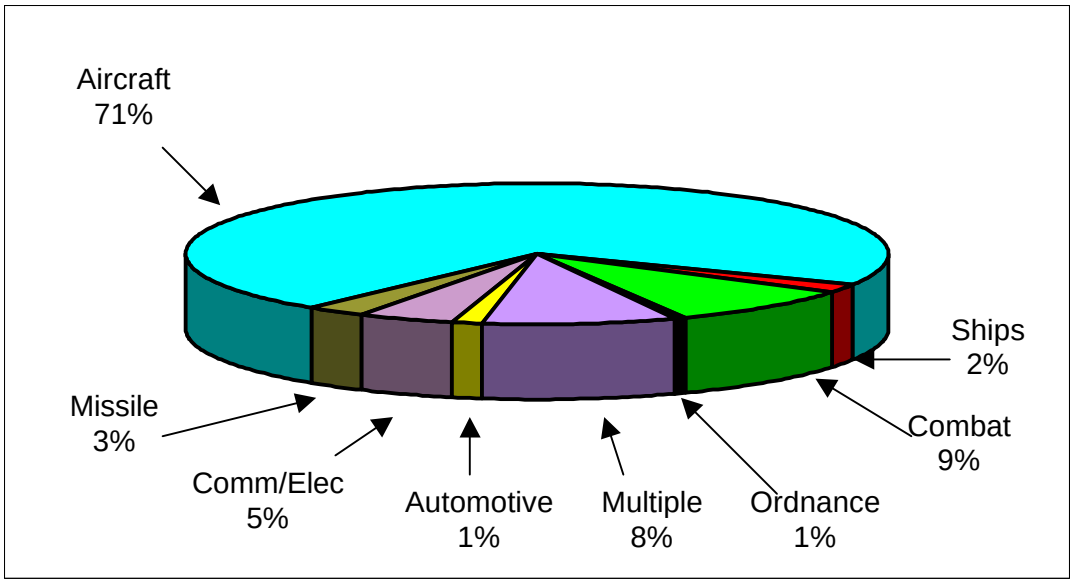
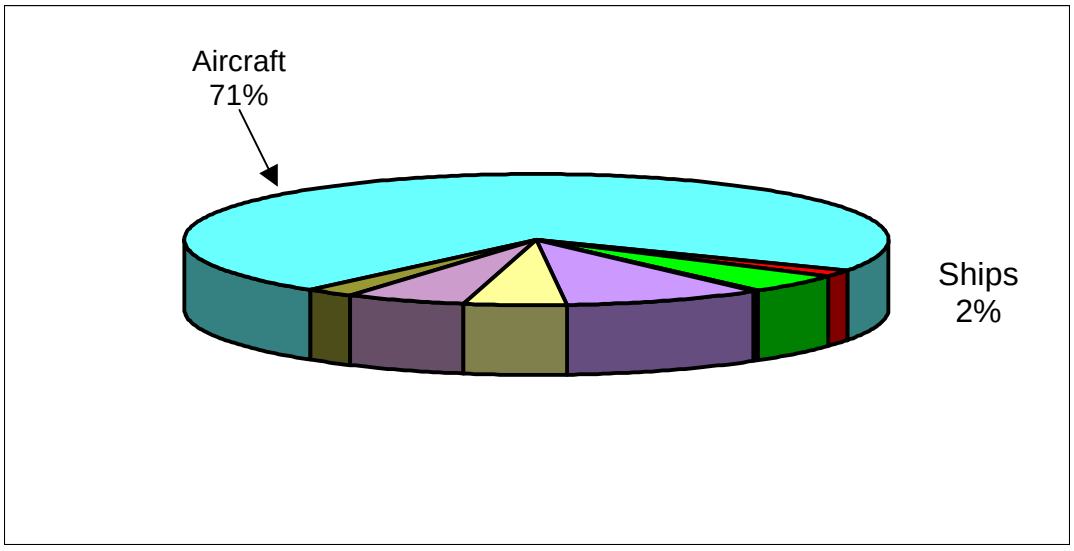


Figure 4
MILCON Project Cost by WBS (Cumulative)



Figures 5 and 6 provide a more detailed analysis of the 98 aircraft-related projects. Costs represented by these projects are approximately $722M. The "components" category includes aircraft and engine accessories and components, as well as onboard communications/electronics equipment. The "other aircraft" category includes projects for armament, support equipment, and general aircraft projects such as general-purpose shops.

Figure 5
MILCON Projects by Aircraft
Second Level WBS (Cumulative)

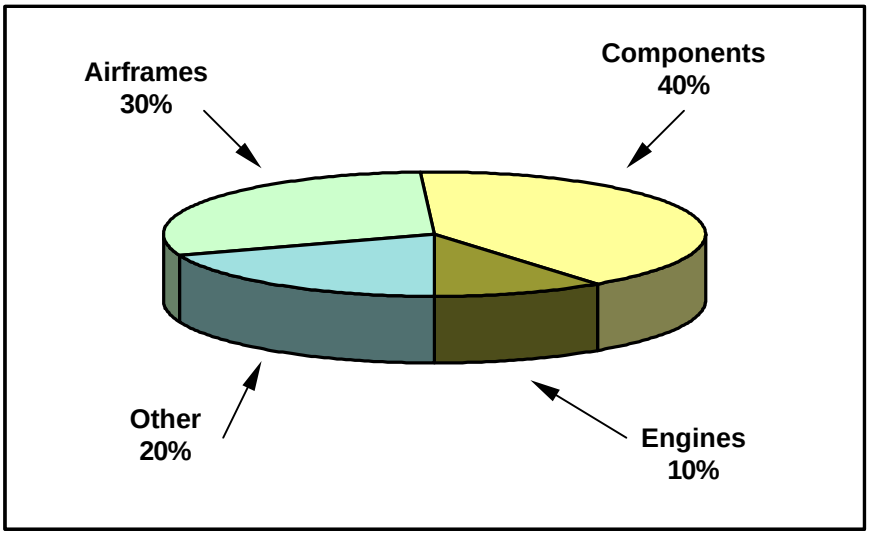
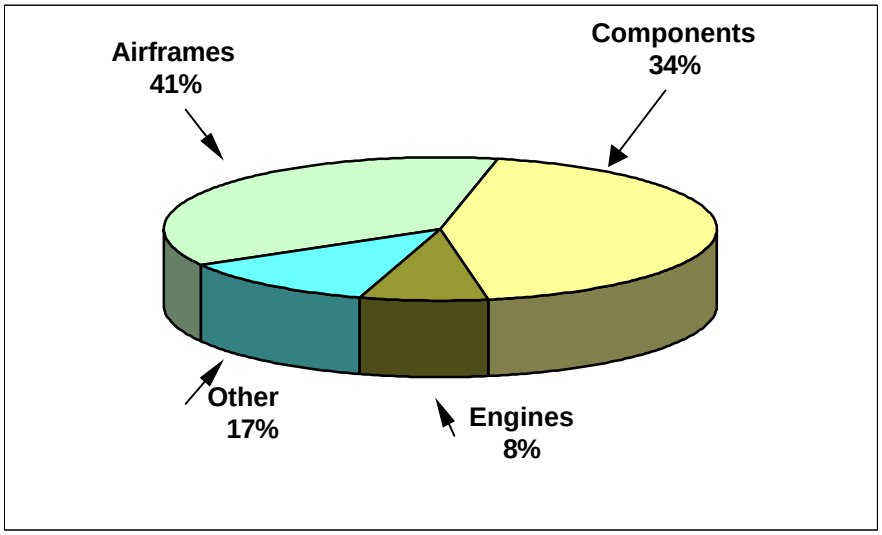


Figure 6
MILCON Project Cost by Aircraft
Second Level WBS (Cumulative)



SUMMARY

The primary thrust of proposed depot maintenance MILCON projects continues to be the modernization of the joint Service organic industrial base. Of the FY98 projects reviewed, three relate to modernization, one related to increased capacity, and two related to a combination of two or more purpose categories. In terms of WBSs affected by the projects, two projects related to aircraft, one related to combat, one automotive, and one related to multiple WBSs. The total cost of these projects is estimated at $93.4.

The purpose of the Joint Service Depot Maintenance MILCON Review Process continues to be the review of depot maintenance MILCON projects proposed by the Services in order to fully consider interservicing alternatives and provide for maximum cost effective use of MILCON funds.

ATTACHMENT 1

CUMULATIVE LISTING OF VALIDATED PROJECTS

This is a listing of cumulative projects which were reviewed and validated by the Panel and are currently programmed.

"Initial Program Year" refers to the project's funding year at the time it was reviewed by the panel. "Current Program Year" refers to the FY during which the project is currently programmed for funding.

"Status Codes" are as follows:

1 - Awaiting Congressional Approval
2 - Approved by Congress
3 - Under Construction
4 - Completed

CUMULATIVE VALIDATED PROJECTS

DEPOT	PROJECT STATUS NO.	PROJECT TITLE	INITIAL PROG YEAR	CURRENT PROG YEAR	COST ($000)	CODE
Army						
ANAD	098000	Machine Shop	86	86	2,630	4
ANAD	110	Vehicle Repair Facility	88	86	4,700	4
ANAD	1517E	Heat Plant Renovation (DBOF)	96	98	1,150	1
ANAD	2017E	New, Mod Fire Protection Facilities	96	98	3,000	1
ANAD	50499	Component Rebuild Shop	01	01	17,500	1
CCAD	004200	Aircraft Analysis & Processing Facility	88	86	5,400	4
CCAD	005600	Helo Blade Overhaul Facility	87	85	4,400	4
CCAD	006000	Helo Composite Blade Test Facility	87	86	600	4
CCAD	006400	Power Train Facility	86	87	2,250	4
CCAD	006700	Aircraft Instrument Repair & Calibration Facility	88	90	5,200	4
CCAD	006800	Mechanical Components Shop	88	88	2,900	4
CCAD	006900	Acft. Panel Processing Facility	88	87	1,200	4
CCAD	007000	Aircraft Maintenance Shop	85	89	2,500	4
CCAD	FN24403	Engineering Analysis Facility	90	92	3,400	4
CCAD	30871	Advanced Metal Finishing Facility	93	93	11,600	4
CCAD	30872	Power Train Cleaning Facility	00	00	17,500	1
LEAD	39697E	Alt, Conv. Missile Center	92	94	4,500	4
RRAD	FN29488	Modernize Vehicle Test Track	90	92	1,500	3
SAAD	2M7511	Addition To Electro-Optics Shop	83	86	4,550	4
TEAD	T19100	Consolidated Maintenance Modernization Facility	88	89	46,500	4
TYAD	T32171	COMSEC Facility (BRAC)	91	91	10,400	4
TYAD	TM8201	Tact. End Item Repair Facility	88	92	8,200	4
TYAD	99V	Industrial Operations Facility	96	95	17,000	1
TYAD	47806	Depot Heating System Retrofit	00	00	29,000	1
Subtotal					**207,580**	

CUMULATIVE VALIDATED PROJECTS

DEPOT	PROJECT STATUS NO.	PROJECT TITLE	INITIAL PROG YEAR	CURRENT PROG YEAR	COST ($000)	CODE
Air Force						
AGMC	RRTC850050	Addition to Electro-Optic Facility	85	85	870	4
AGMC	RRTC860050	RADIAC Laboratory	87	87	3,000	4
AGMC	RRTC870050	Support Shop Facility	87	87	3,000	4
AGMC	RRTC870051	Addition to Sound, Force, Vibration Laboratory	87	88	580	4
AMARC	FBNV013504	Consolidated Mission Support Center	00	02	5,600	1
AMARC	FBNV843005	Aircraft Maintenance Dock	88	90	2,200	4
AMARC	FBNV853012	Aircraft Processing Ramp	87	87	3,400	4
AMARC	FBNV973502	Consolidated Material Processing Facility	97	97	5,900	3
AMARC	FBMV980503	Aircraft Processing Ramp	00	00	7,800	1
OCALC	WWYK800270	Fuel Control Test Facility	87	91	11,700	4
OCALC	WWYK800271	Blade Repair Facility	85	85	17,910	4
OCALC	WWYK800272	Addition to Heat Treatment Facility	86	87	1,865	4
OCALC	WWYK840006A	Aircraft Maintenance Hangar	87	87	15,400	4
OCALC	WWYK850101A	Alter F-107 Engine Test Facility	85	87	1,507	4
OCALC	WWYK860062	ADAL Engine Tubing and Accessories Shop	86	87	937	4
OCALC	WWYK870040	Advanced Composite Repair Facility	88	88	6,300	4
OCALC	WWYK890034	B-1B Avionics Facility/Land Acquisition	89	89	11,400	4
OCALC	WWYK890040A	Depot Aircraft Corrosion Control Facility (congressional insert)	96	96/97	11,400	3
OCALC	WWYK890052	B-2 Avionics Facility/Land Acquisition	91	90	9,600	4
OCALC	WWYK910014	Hazardous Material Processing Facility	90	94	2,300	4
OCALC	WWYK933013	Add/Alter Depot Metal Plating Shop	93	93	10,200	3
OCALC	WWYK943012	Alter Air Driven Accessories Overhaul & Test Facility	00	00	17,000	1
OCALC	WWYK943020	Alter Ventilation System, Corrosion Control Facility	95	95	8,400	3
OCALC	WWYK943022	Add/Alter Jet Fuel Transfer System	00	02	3,650	1
OCALC	WWYK983156	Corrosion Control Strip Facility	00	01	13,000	1

CUMULATIVE VALIDATED PROJECTS

DEPOT	PROJECT STATUS NO.	PROJECT TITLE	INITIAL PROG YEAR	CURRENT PROG YEAR	COST ($000)	CODE
Air Force (Cont'd)						
OOALC	KRSM860082	Addition To Aircraft Corrosion Control Facility	86	86	13,400	4
OOALC	KRSM860086	Depot Instrument Overhaul Shop	87	87	1,550	4
OOALC	KRSM880083	Integrated Structural Repair O/H & Maintenance Facility	88	88	25,000	4
OOALC	KRSM993014	C-130 Corrosion Control Facility	01	01	17,500	1
SAALC	MBPB861002	Depot Aircraft General Purpose Shop	86	86	10,900	4
SAALC	MBPB867329	Addition to Jet Engine Test Cell Complex	86	86	6,500	4
SAALC	MBPB871181	Advanced Fuel Accessories Test Facility	87	88	9,400	4
SAALC	MBPB871283	Gas Turbine Engine Facility	89	90	14,000	4
SAALC	MBPB881289	Corrosion Control Facility (PIF)	89	89	8,800	4
SAALC	MBPB896901	Chemical Waste Staging Facility	93	93	750	4
SAALC	MBPB921737	Alter Corrosion Control Facility	90	91	6,300	4
SAALC	MBPB933003	Alter Avionics Facility	93	94	700	4
SAALC	MBPB943007	Add/Alter NDI/XRAY Facility, (Building 361)	94	94	5,100	4
SMALC	10921	Depot Aircraft Support Facility	85	85	3,500	4
SMALC	PRJY861001	Electronics Warfare/ Communications Facility	87	86	12,600	4
SMALC	PRJY871001	Depot Flight Instrument Center	87	87	9,400	4
SMALC	PRJY871003	Sound Suppresser Support III & IV	88	88	1,450	4
SMALC	PRJY881010	Addition To Aircraft Corrosion Control Facility	88	91	11,600	4
SMALC	PRJY901023	Add/Alter Depot Hydraulic Fac	90	90	7,400	4
SMALC	PRJY933007	Renovate Depot Plating Shop	93	94	7,000	3
WRALC	UHHZ850086	Aircraft Maintenance Docks	85	85	7,100	4
WRALC	UHHZ860030	Add/Alter Fire Protection, Avionics, Technology Facility	86	86	1,950	4
WRALC	UHHZ870017	Sound Suppresser Support	87	87	850	4
WRALC	UHHZ870018	Aircraft Corrosion Control Facility	88	89	11,400	4
WRALC	UHHZ880013	Depot Plant Services Facility	96	99	11,890	1
WRALC	UHHZ880019	Upgrade Air Conditioning for Depot Labs	88	90	720	4

CUMULATIVE VALIDATED PROJECTS

DEPOT	PROJECT STATUS NO.	PROJECT TITLE	INITIAL PROG YEAR	CURRENT PROG YEAR	COST ($000)	CODE
WRALC	UHHZ880028	Addition to Avionics Repair Facility (PIF)	88	87	6,800	4
WRALC	UHHZ890001	F-15 Wing Repair Facility	90	90	8,200	4
WRALC	UHHZ890017	Depot Aircraft Hangar (Combat Talon)	90	88	12,400	4
WRALC	UHHZ903003	C-141 Aircraft Maintenance Hangar	91	90	19,700	4
WRALC	UHHZ923007	Small Item Aircraft Support Equipment Paint Facility	93	94	970	3
WRALC	UHHZ963006	Large Item Aircraft Support Equipment Paint Facility	00	01	2,750	1
WRALC	UHHZ993001	Ground Support Equipment Maintenance Facility	00	02	7,300	1
Subtotal					**439,799**	
Marine Corps						
MCLBA	P245	Dynamometer Test Facility	88	90	1,845	3
MCLBA	P250	Painting Facility	89	89	4,250	4
MCLBA	P305	Abrasive Blast Facility	90	93	3,664	4
MCLBA	P310	Test/Diagnostic Facility	87	90	3,250	4
MCLBA	P315	Tank/Auto Test Track Facility	87	89	590	4
MCLBA	P325	Fire Protection Improvements (Building 2200)	88	88	1,530	4
MCLBA	P605	Industrial Waste Treatment Facility Improvements	91	91	8,899	4
MCLBA	P919	Engineer Equipment Shop	01	01	5,120	1
MCLBB	P163	Radiographic Facility - YERMO	87	86	530	4
MCLBB	P199	Steam Cleaning Facility	89	89	390	4
MCLBB	P820	Industrial Wastewater Treatment & Recycling Facility	94	94	5,900	4
MCLBB	P919B	Paint and Undercoat Facility	01	01	11,080	1
MCLBB	P920	Test Track / Test Pond Facility	00	00	4,640	1
Subtotal					**51,688**	

CUMULATIVE VALIDATED PROJECTS

DEPOT	PROJECT STATUS NO.	PROJECT TITLE	INITIAL PROG YEAR	CURRENT PROG YEAR	COST ($000)	CODE
Navy						
ALMD	P704	Aircraft Painting/Finishing Facility	86	86	20,000	4
ALMD	P779	Aircraft Acoustical Enclosure	88	89	6,560	4
ALMD	P783	Plating Facility	87	88	16,300	4
CHYPT	P200	Weapon System Maintenance CAD/CAM Center	89	88	500	4
CHYPT	P507	Pneumatic Shop Extension	88	92	7,700	4
CHYPT	P884	AV-8B Advanced Technology Facility	86	87	21,600	4
CHYPT	P918	Jet Engine Test Cell	85	85	9,700	4
CHYPT	P940	Engine Blade Rework Facility	87	87	15,600	4
CHYPT	P962T	Product Support Admin Fac	94	94	8,200	4
CHYPT	P965T	Hangar Addition	94	94	10,000	4
CHYPT	P966T	Acft Accessory Shops Addition	94	94	4,000	4
CHYPT	P969	Plant Services Complex	03	03	7,400	1
CHYPT	P971	Aircraft Hangar	99	05	22,700	1
CHYPT	P973	Hazardous Waste Storage/ Transfer Facility	03	02	3,500	1
CHYPT	P974	Eng. Product Support Facility	00	02	4,200	1
CHYPT	P981	Central Compressed Air Facility	02	02	1,890	1
CHYPT	P979	Aircraft Stripping Facility	00	01	7,868	1
JAX	P219T	Component Rework Facility Rehabilitation	95	94	10,000	4
JAX	P221T	NADEP Storage Facility	94	94	1,900	4
JAX	P224T	Acft Acoustical Encl Facility	95	95	4,250	4
JAX	P244	Product Support Facility	00	04	7,500	1
JAX	P245	Central Receiving / Distribution Facility	00	05	4,021	1
JAX	P246	Aircraft Parts Staging Facility	00	03	951	1
JAX	P592	Engine Processing Facility	87	89	14,180	4
JAX	P613	Addition To Fuel Accessories Overhaul Facility	89	88	5,000	4
JAX	P615	Industrial Waste Treatment Facility Paint Hangar	89	92	3,300	4

CUMULATIVE VALIDATED PROJECTS

DEPOT	PROJECT STATUS NO.	PROJECT TITLE	INITIAL PROG YEAR	CURRENT PROG YEAR	COST ($000)	CODE
Navy (Cont'd)						
JAX	P616	Industrial Waste Treat. Fac. for Paint Stripping & Plating Shops	89	91	16,670	4
NORIS	P243	Flammable Bulk Storage Facility	89	89	2,110	4
NORIS	P265	Jet Engine Test Cell Mod.	85	85	3,950	4
NORIS	P382	Western Standards Laboratory	85	86	9,120	4
NORIS	P720T	Administration Facility	95	96	1,300	4
NORIS	P728	Component Repair Clean Room	00	01	4,600	1
NORIS	P729	Support Equipment/Material Staging Facility	00	02	2,480	1
NORVA	P241	Standards & Materials Laboratory Facility	87	89	8,950	4
NORVA	P260	Consolidated Heavy Processing Shop	86	86	11,170	4
NSWCIH	P073	CAD/PAD Plant Modernization	95	93	5,300	4
NSWCL	P215	PHALANX Facility Modernization	92	91	5,660	4
NUWCK	P337	Submarine Combat Sys Shop	91	91	10,150	4
NSWCC	P223	Weapon Dev. and Test Fac.	89	88	1,570	4
NSWCC	P224	Components Finishing Facility	89	91	7,700	4
NWSCO	P267	Standard Missile Test Cell	87	87	790	4
Subtotal					**311,550**	
Total					**1,001,177**	

ATTACHMENT II

JOINT SERVICE DEPOT CODES

CODE	NAME
	ARMY
ANAD	Anniston Army Depot
CCAD	Corpus Christi Army Depot
LEAD	Letterkenny Army Depot ***
RRAD	Red River Army Depot ***
SAAD	Sacramento Army Depot *
TYAD	Tobyhanna Army Depot
TEAD	Tooele Army Depot **

* On 1991 Base Closure List
** On 1993 Base Closure List for Realignment
*** On 1995 Base Closure List for Realignment

	NAVAIR
ALMD	Naval Aviation Depot Alameda *
CHYPT	Naval Aviation Depot Cherry Point
JAX	Naval Aviation Depot Jacksonville
NORVA	Naval Aviation Depot Norfolk *
NORIS	Naval Aviation Depot North Island
PNCLA	Naval Aviation Depot Pensacola *

* On 1993 Base Closure List

	NAVSEA (SHIPYARDS)
CHNSY	Charleston Naval Shipyard **
LBNSY	Long Beach Naval Shipyard ***
MINSY	Mare Island Naval Shipyard **
NNSY	Norfolk Naval Shipyard
PHNSY	Pearl Harbor Naval Shipyard
PNSY	Philadelphia Naval Shipyard *
PTNSY	Portsmouth Naval Shipyard
PSNSY	Puget Sound Naval Shipyard

* On the 1991 Base Closure List for Preservation
** On 1993 Base Closure List
*** On 1995 Base Closure List

NOTE: This list does not include overseas depots.

JOINT SERVICE DEPOTS (Cont'd)

NAVSEA

(NAVAL SURFACE WARFARE CENTER)

NSWCC	Naval Surface Warfare Center Crane Division
NSWCIH	Naval Surface Warfare Center Indian Head
NSWCL	Naval Surface Warfare Center, Crane Division Detachment, Louisville Site *

* On 1995 Base Closure List

(NAVAL UNDERSEA WARFARE CENTER)

NUWCK	Naval Undersea Warfare Center Keyport *

* On 1995 Base Closure List for Realignment

(NAVAL ORDNANCE CENTER)

NWSCO	Naval Weapons Station Concord

SPAWAR

SPAWAR Systems Center, San Diego, CA
SPAWAR Systems Center, Charleston, SC
SPAWAR Systems Center, Charleston Detachment, Norfolk, VA

AIR FORCE

OC-ALC	Oklahoma City Air Logistics Center
OO-ALC	Ogden Air Logistics Center
SA-ALC	San Antonio Air Logistics Center **
SM-ALC	Sacramento Air Logistics Center **
WR-ALC	Warner Robins Air Logistics Center
AGMC	Aerospace Guidance and Metrology Center *
AMARC	Aerospace Maintenance and Regeneration Center

* On 1993 Base Closure List; closed 30 Sep 96
** On 1995 Base Closure List

JOINT SERVICE DEPOTS (Cont'd)

MARINE CORPS

MCLBA	Marine Corps Logistics Base Albany
MCLBB	Marine Corps Logistics Base Barstow

NOTE: This list does not include overseas depots

ATTACHMENT III
MILCON REVIEW REPRESENTATIVES

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COMMENTS

Please provide comments and suggestions concerning this document to JDMAG/MA (mailing address is on reverse side - fold and tape page).

Name & Date of Document:

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